Appendix Q: Findings of peer-reviewed research

TABLE Q-1
Summary of empirical research of effects of coal tax credits, enterprise zones, and industrial park development

Paper	Region	Units of analysis	Dependent variables	Method	Data sources	Findings				
Coal tax credits										
Findeis and Shortle (1985)	Pennsylvania and six state coal consump- tion region	States	Coal con- sumption	Two stage least squares using pooled cross-section time series, 1973–1982	Energy Information Administration	Coal severance tax rate has small ef- fect on coal consumption and coal mining employment				
Gerking et al. (1999)	Wyoming and Pow- der River Basin	Electric power plants	Coal con- sumption	Panel data regression with instrumental variable, 1983–1998	Energy Information Administration; Sur- face Transportation Board; Other propri- etary data	Coal severance tax rate has small effect on mining production				
Enterprise zones										
Bondonio and Eng- berg (2000)	California, Kentucky, New York, Pennsyl- vania and Virginia	Zip Code Tabu- lation Area	Employment	Propensity Score Matching	Standard Statistical Establishment List, Census Bureau	No statistically significant effect.				
O'Keefe (2004)	California	Census Tract	Employment	Propensity Score Matching	California Employ- ment Development Department, 1990 Census	First six years after designation 3.1% increase in employment growth, second 6 years -3.2% decline.				
Greenbaum and Engberg, (2004)	California, Florida, New Jersey, New York, Pennsylvania, and Virginia	Zip Code Tabu- lation Area	Employment	Difference in Dif- ference, 1984- 1993	Longitudinal Re- search Database, Census Bureau	No statistically significant effect.				

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Elvery (2009)	California and Flor- ida	Census Tract	Employment	Propensity Score Matching	Standard Statistical Establishment Lists (restricted access establishment-level data), Census Bu- reau	No statistically significant effect.
Neumark and Kolko (2010)	California	Enterprise Zone	Employment	Difference in Difference, 1992- 2004	National Establish- ment Time Series (NETS)	No statistically significant effect.
Neumark and Young (2019)	United States	Census Tract	Unemploy- ment rate and poverty	Triple Difference (DDD estimator), 1980, 1990, and 2000	Neighborhood Change Database, Geolytics Inc.	No statistically significant effects on unemployment rate or poverty.
Neumark and Young (2020)	Thirteen states in- cluding Virginia	Census Tract	Unemploy- ment rate; poverty rate; wage and sal- ary income; and the level of employ- ment	Triple Difference, 1990-2000 and 1990-2010	Neighborhood Change Database, Geolytics Inc.	Some statistically significant short- run effects, but they are conflicting (some suggest positive effects and some suggest negative). Long-term effects are more uniformly statisti- cally insignificant or negative. Vari- ous enterprise zone features cannot be linked to positive effects.